

## **Project Specific CDOT Region 3 Signage Study & Preliminary Design Engineering Services I-70 Hanging Lake Tunnel Public Notice for Professional Consultants**

The Colorado Department of Transportation (CDOT) Region 3 intends to hire one (1) Professional Consultant for this Project. The selected Consultant will contract to provide Project Specific Services for a study for the Hanging Lake Tunnel Signage and associated Design Engineering Services to include those specific services set forth in the Scope of Work (SOW).

There will be an “Optional” Interview Phase for this selection at CDOT Region 3 discretion.

### **I-70 HLT Signage Project # R300 216 (20547)**

Location: CDOT Region 3 Hanging Lake Tunnel Bores are located between MP 125 and 126 on I-70 in Glenwood Canyon in Garfield County.

#### **Project Description:**

Both bores of HLT are to have new VMS/LUS/CMS replaced.

The Hanging Lake Tunnels Traffic Operation Center (HLT-TOC), located within HLT, monitors the tunnels and displays information to the traveling public by way of existing Changeable Message Signs (CMS), Variable Message Signs (VMS) and LUS (Lane Usage Signal) located within and near the tunnel.

Due to the age of the system, replacement parts are no longer available and support for maintenance issues is logistically challenging. These lights and systems need to be replaced; new wiring may be required for all items and Ethernet connections may be required for at least the VMS. In an effort to have consistency throughout the state, the new signage may be the same as that installed in Eisenhower Johnson Tunnels.

**Project Goals:** Preliminarily, this project is intended to produce the following improvements:

Formulate best plan to replace electronic signs in Tunnels.

Improve tunnel communication with traveling public in Hanging Lake Tunnels with new signage. Upgrade HLT system to be more modern with more-readily available replacement parts and better vendor and supplier support for trouble shooting and maintenance.

HLT improvements will require at a minimum the replacement of the following:

10 Variable Message Signs (VMS)

76 LUS units, which includes 60 double face and 16 single face

19 Changeable Message Signs (CMS); consider replacing all signs at 19 characters and same as VMS signs

Improve Safety with better signage visualization

Improve Maintenance life-cycles of facilities and operational costs

Design and Construct a quality project

Meet Schedule and Budget

#### **Consultant Requirements:**

The following is a list of possible professional needs depending on the recognized work.

**Project Manager** Licensed Engineer Primary CDOT Contact.

**Electrical Engineer** A licensed Engineer to produce electrical one line drawings coordinated and compatible with CDOT systems.

**Mechanical Engineer** A licensed Engineer

**Structural Engineer** A licensed Engineer to provide custom design of LUS/CMS/VMS/LED mounting bracket system to existing tunnels. Design of lighting and electrical distribution mounting will also be required.

**Traffic Engineer** A licensed traffic engineer will be needed for evaluation of traffic volumes and allowable construction times, assembly of traffic related plans.

**Information Technology System (ITS) Specialist** Shall provide expertise for the systems compatibility and communication with CDOT's existing server. A licensed engineer will be needed for the design of the LUS, VMS, CMS and other ITS related elements of the project.

The prime firm of each team must be on CDOT's list of prequalified consultants by **December 4, December 11, 2014**. Consultants who are not prequalified or who have questions regarding their prequalification should contact Bernie Rasmussen at telephone (303) 757-9400.

For the Capacity factor included in the Statement of Interest portion of the consultant's submittal, and described in the SOI/WP Preparation Instructions.

The prime firm must show, for the prime or any sub-consultant on its team, capacity in the following disciplines: **CE – Civil Engineering (Electrical/Mechanical); HD – Highway and Street Design; SE Structural Engineering SU - Surveying TR – Traffic Engineering; UT – Utilities**

Interested firms shall submit six (6) copies of the Statement of Interest/Work Plan no later than **12:00 noon local time Thursday December 11th December 18, 2014 to:**

**David Wells, Contracting Officer  
CDOT 4201 E. Arkansas Ave Suite 200  
Denver, CO 80222**

The scope of work and selection documents along with the latest "Consultant Instructions for the Statement of Interest/Work Plan" and the anticipated consultant selection schedule must be obtained from the CDOT website:

<http://www.coloradodot.info/business/consultants/advertised-projects/2014>

**Questions of a technical nature (SOW, etc.) regarding this project may be directed to:**

<b>Name:</b>	<b>Peter Lombardi</b>
<b>Organization:</b>	<b>CDOT Project Manager, Region: 3</b>
<b>Telephone:</b>	<b>(970) 328-9962</b>

CDOT assumes no obligation of any kind for expenses incurred by any respondent to this solicitation. The right is also reserved by CDOT to reject any and all submittals.

The UDBE goal for this project is: **0%                      Zero Percent**